



SEQUENCE LISTING

<110> Wary, Kishore, K.
Huntsoe, Joseph O.

<120> Uses of Vascular Endothelial Growth Factor
and Type I Collagen Inducible Protein (VCIP)

<130> D6563

<140> US 10/912,238
<141> 2004-03-29

<150> US 60/458,164
<151> 2003-03-27

<160> 41

<210> 1
<211> 15
<212> PRT
<213> Unknown

<220>
<221> CHAIN
<223> peptide used to raise anti-VCIP-cyto-C16
antibody

<400> 1
Leu Ser Pro Val Asp Ile Ile Asp Arg Asn Asn His His Asn Met
5 10 15

<210> 2
<211> 20
<212> PRT
<213> Unknown

<220>
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<223> peptide used to raise anti-VCIP-RGD antibody

<400> 2
Glu Gly Tyr Ile Gln Asn Tyr Arg Cys Arg Gly Asp Asp Ser Lys
5 10 15
Val Gln Glu Ala Arg

<210> 3
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<400> 3
 ggaggatccc tcgcgccgca gccagcgcca tgc 33

<210> 4
 <211> 25
 <212> DNA
 <213> Artificial Sequence

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 <223> reverse primer for VCIP

<400> 4
 gtggcaccta catcatgttg tggtg 25

<210> 5
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 <212> DNA
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 <223> forward primer for human uPAR

<400> 5
 cttcctgaaa tgcgtcaaca cc 22

<210> 6
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<220>
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<400>         6
tcatagctgg gaaaactgag gc          22

<210>         7
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ggctgtgcta tccctgtacg cc          22

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<400>         8
gggcagtgat ctccttctgc at          22

<210>         9
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<212>         DNA
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<400>         9
ggtctcctct gacttcaaca gcg          23

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<210> 10
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<212> DNA
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<223> reverse primer for GAPDH

<400> 10
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<210> 11
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<212> PRT
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<220>
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<223> a peptide containing RGD sequence

<400> 11
Gly Arg Gly Asp Ser Pro
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<210> 12
<211> 9
<212> PRT
<213> Unknown

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<223> HA-tag

<400> 12
Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
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<210> 13
<211> 311
<212> PRT
<213> Unknown

<220>

<221> CHAIN
<223> human VCIP

<400> 13

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Asn	Gly	Gly	Ser	Pro	Ala	Leu	Asn	Asn	Asn	Pro	Arg	Arg	Ser	Gly	20	25	30
Ser	Lys	Arg	Val	Leu	Leu	Ile	Cys	Leu	Asp	Leu	Phe	Cys	Leu	Phe	35	40	45
Met	Ala	Gly	Leu	Pro	Phe	Leu	Ile	Ile	Glu	Thr	Ser	Thr	Ile	Lys	50	55	60
Pro	Tyr	His	Arg	Gly	Phe	Tyr	Cys	Asn	Asp	Glu	Ser	Ile	Lys	Tyr	65	70	75
Pro	Leu	Lys	Thr	Gly	Glu	Thr	Ile	Asn	Asp	Ala	Val	Leu	Cys	Ala	80	85	90
Val	Gly	Ile	Val	Ile	Ala	Ile	Leu	Ala	Ile	Ile	Thr	Gly	Glu	Phe	95	100	105
Tyr	Arg	Ile	Tyr	Tyr	Leu	Lys	Lys	Ser	Arg	Ser	Thr	Ile	Gln	Asn	110	115	120
Pro	Tyr	Val	Ala	Ala	Leu	Tyr	Lys	Gln	Val	Gly	Cys	Phe	Leu	Phe	125	130	135
Gly	Cys	Ala	Ile	Ser	Gln	Ser	Phe	Thr	Asp	Ile	Ala	Lys	Val	Ser	140	145	150
Ile	Gly	Arg	Leu	Arg	Pro	His	Phe	Leu	Ser	Val	Cys	Asn	Pro	Asp	155	160	165
Phe	Ser	Gln	Ile	Asn	Cys	Ser	Glu	Gly	Tyr	Ile	Gln	Asn	Tyr	Arg	170	175	180
Cys	Arg	Gly	Asp	Asp	Ser	Lys	Val	Gln	Glu	Ala	Arg	Lys	Ser	Phe	185	190	195
Phe	Ser	Gly	His	Ala	Ser	Phe	Ser	Met	Tyr	Thr	Met	Leu	Tyr	Leu	200	205	210
Val	Leu	Tyr	Leu	Gln	Ala	Arg	Phe	Thr	Trp	Arg	Gly	Ala	Arg	Leu	215	220	225
Leu	Arg	Pro	Leu	Leu	Gln	Phe	Thr	Leu	Ile	Met	Met	Ala	Phe	Tyr	230	235	240
Thr	Gly	Leu	Ser	Arg	Val	Ser	Asp	His	Lys	His	His	Pro	Ser	Asp	245	250	255
Val	Leu	Ala	Gly	Phe	Ala	Gln	Gly	Ala	Leu	Val	Ala	Cys	Cys	Ile	260	265	270
Val	Phe	Phe	Val	Ser	Asp	Leu	Phe	Lys	Thr	Lys	Thr	Thr	Leu	Ser	275	280	285
Leu	Pro	Ala	Pro	Ala	Ile	Arg	Lys	Glu	Ile	Leu	Ser	Pro	Val	Asp	290	295	300
Ile	Ile	Asp	Arg	Asn	Asn	His	His	Asn	Met	Met					305	310	

<210>	14
<211>	18
<212>	PRT
<213>	Unknown

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Asp Ile Ala Lys Val Ser Ile Gly Arg Leu Arg Pro His Phe Leu
                5                10                15
Ser Val Cys

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<210>	15
<211>	18
<212>	PRT
<213>	Unknown

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      <400>      15
Asp Ile Ala Lys Tyr Ser Ile Gly Arg Leu Arg Pro His Phe Leu
              5              10              15
Ala Val Cys

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<210>	16
<211>	18
<212>	PRT
<213>	Unknown

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Asp Ile Ala Lys Tyr Thr Ile Gly Ser Leu Arg Pro His Phe Leu
              5              10              15
Ala Ile Cys

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<210> 20
<211> 10
<212> PRT
<213> Unknown

<220>
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<223> a peptide containing RGD sequence

<400> 20
Asn Tyr Arg Cys Arg Gly Asp Asp Ser Lys
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<210> 21
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<223> a peptide containing a mutated RGD sequence

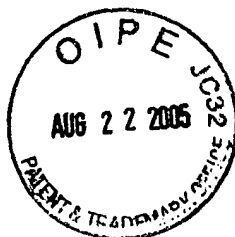
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Asn Tyr Arg Cys Arg Ala Asp Asp Ser Lys
5 10

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<400> 22
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5 10

<210> 23
<211> 13
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<213> Unknown

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<223> a peptide containing RGD sequence

<400> 23
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5 10

<210> 24

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<221> primer_bind

<223> forward primer for phosphatase inactive
or dead form of PAP2b

<400> 24
gccg gatcca tgcaaaacta caagtacgac 30

<210> 25

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<221> primer_bind

<223> reverse primer for phosphatase inactive
or dead form of PAP2b

<400> 25
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<210> 26

<211> 33

<212> DNA

<213> Artificial Sequence

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<221> primer_bind

<223> forward primer for phosphatase inactive
or dead form of PAP2b

<400> 26
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<210> 27
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<223> reverse primer for phosphatase inactive
or dead form of PAP2b

<400> 27
gcgatcgatc tacatcatgt tgtg 24

<210> 28
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<223> forward primer for N-terminal PAP2b truncation

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gccggatcca tgcaaaagcg ggtgctg 27

<210> 29
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<223> reverse primer for N-terminal PAP2b truncation

<400> 29
ggtatcgata agcttctaca tcatg 25

<210> 30
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<212> DNA
 <213> Artificial Sequence

 <220>
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 <223> forward primer for C-terminal PAP2b truncation

 <400> 30
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 <210> 31
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 <400> 31
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 <210> 32
 <211> 6
 <212> PRT
 <213> Unknown

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 <223> a peptide containing a RGD sequence

 <400> 32
 Cys Arg Gly Asp Asp Ser
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 <210> 33
 <211> 24
 <212> DNA
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 <223> sense primer for human Alu sequence

<400> 33
gttgcccaag ttggagtgca atgg 24

<210> 34
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<220>
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<223> anti-sense primer for human Alu sequence

<400> 34
acaatggctc acgcctgtaa tccc 24

<210> 35
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<212> DNA
<213> Artificial Sequence

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<223> sense primer for mouse GAPDH

<400> 35
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<210> 36
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<223> anti-sense primer for mouse GAPDH

<400> 36
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<210> 37
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 <223> amino acid sequence for apical sorting of PAP2a

 <400> 37
 Phe Asp Lys Thr Arg Leu
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 <210> 38
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 <221> UNSURE
 <222> 2, 3, 4, 5, 6, 7
 <223> lipid phosphatase motif of GST-VCIP-RGD
 protein; Xaa = any at pos 2-7

 <400> 38
 Lys Xaa Xaa Xaa Xaa Xaa Xaa Arg Pro
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 <210> 39
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 <223> motif of of GST-VCIP-RGD protein

 <400> 39
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 <220>
 <221> UNSURE
 <223> anti-sense primer for mouse GAPDH

<400> 40
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 <213> Artificial Sequence

<220>
 <223> amino acid sequence in peptide derived from VCIP

<400> 41
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